

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629957

Luminaire Tested: GWS-SA1C-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4545 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

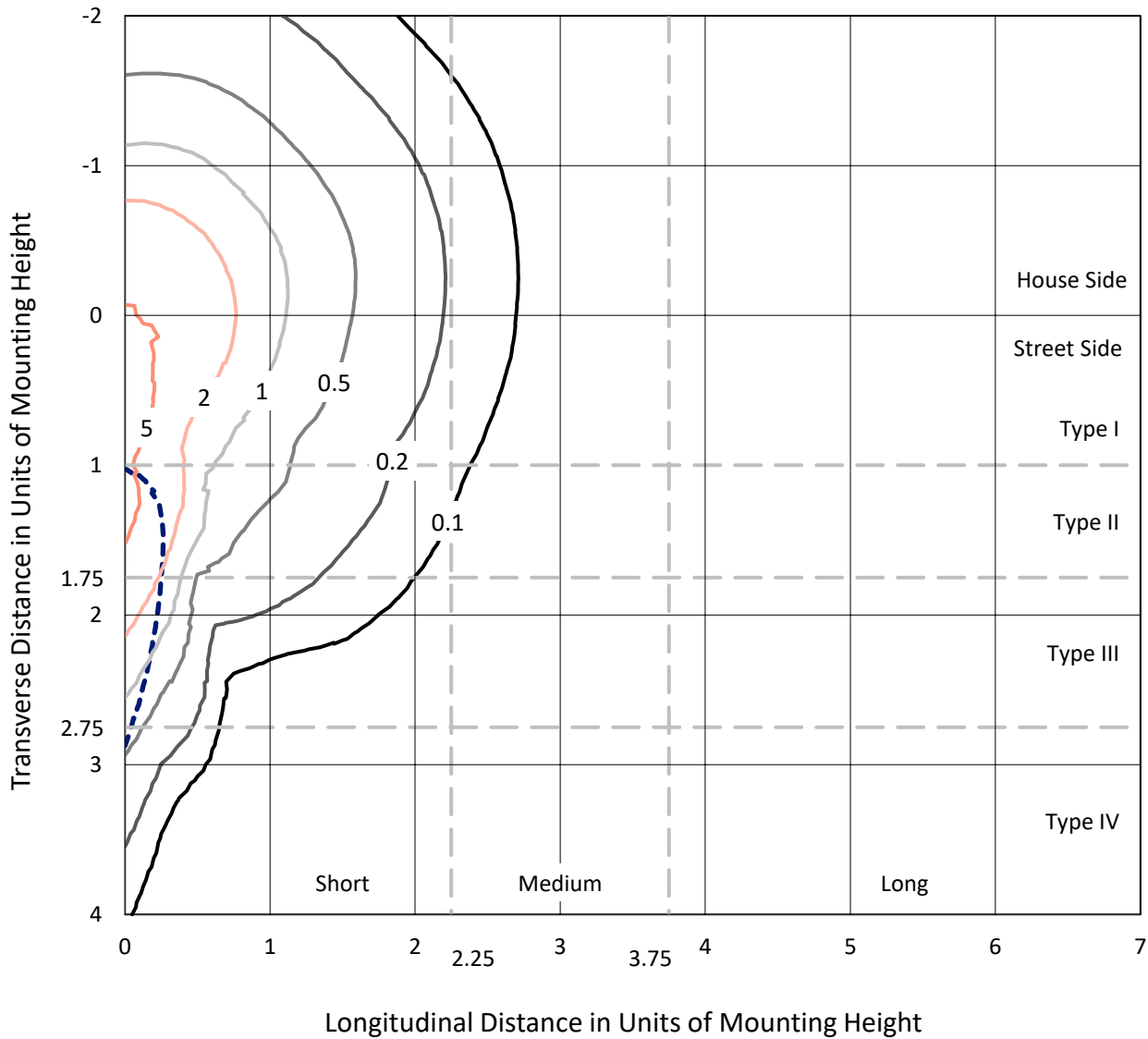
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

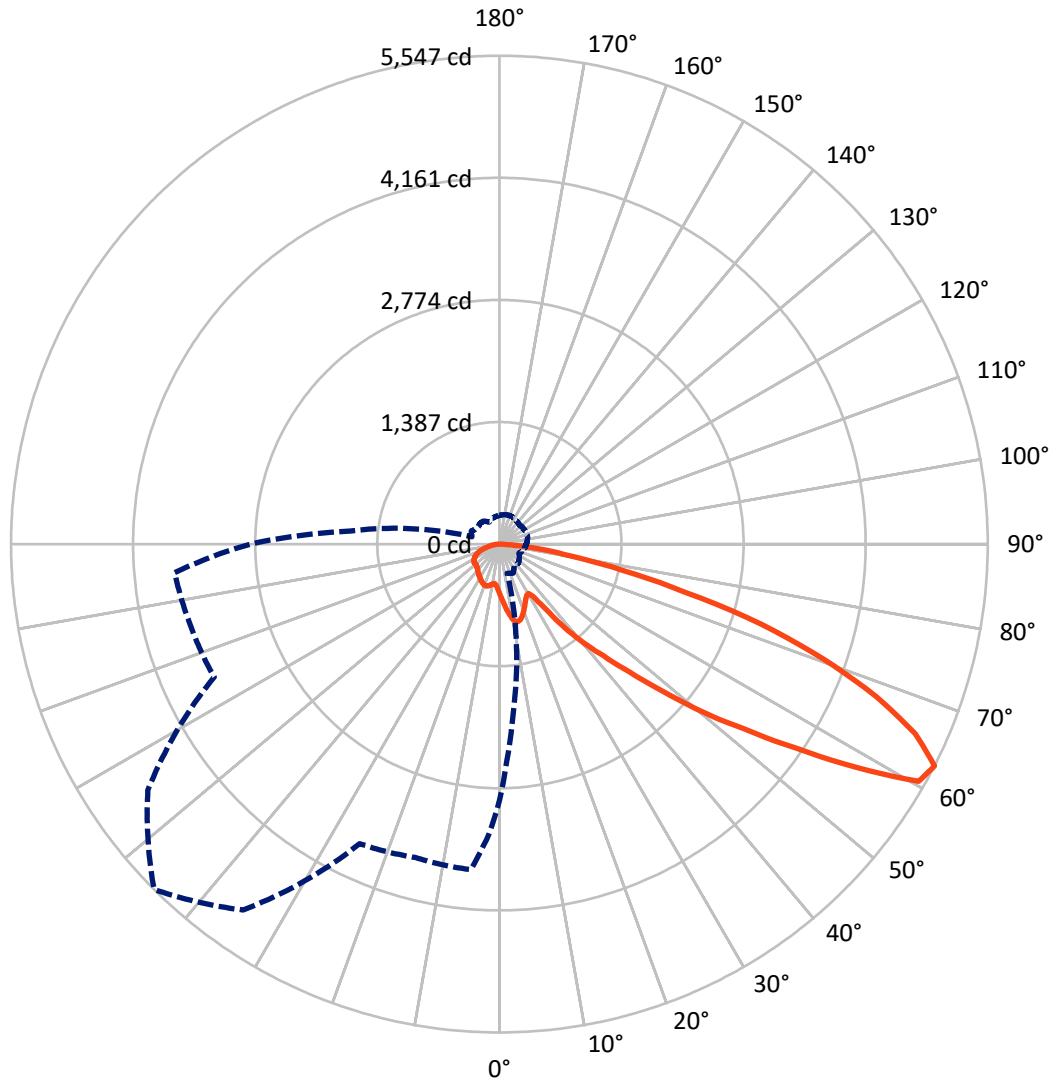
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.7	0.0	1086.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3458.3	0.0	3458.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	4545.0	0.0	4545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.2
10°-20°	181.4	4.0
20°-30°	285.6	6.3
30°-40°	391.5	8.6
40°-50°	610.8	13.4
50°-60°	1053.2	23.2
60°-70°	1220.5	26.9
70°-80°	644.3	14.2
80°-90°	101.8	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4545.0	100.0
0°-180°	4545.0	100.0

Coefficient of Utilization



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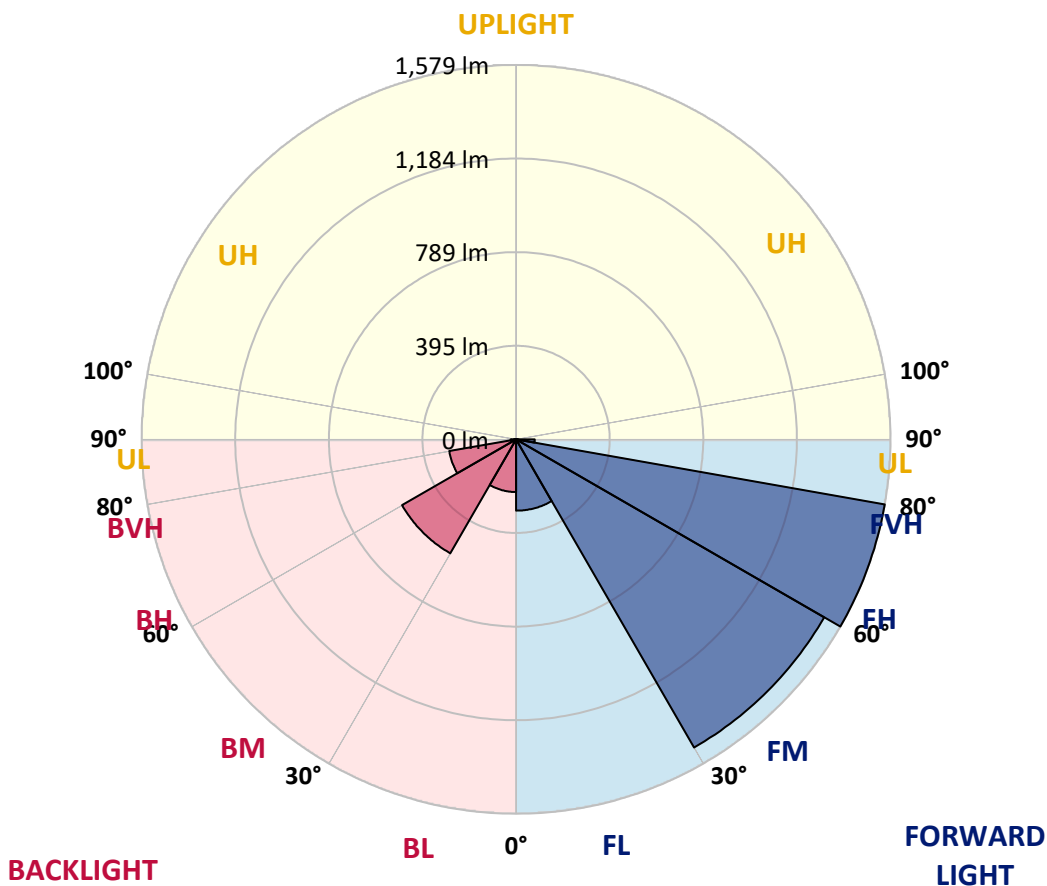
CATALOG NUMBER: GWS-SA1C-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.6	6.6			
FM (30°-60°)	1500.5	33.0			
FH (60°-80°)	1578.7	34.7			G1/1800
FVH (80°-90°)	78.6	1.7			G1/100
BL (0°-30°)	222.3	4.9	B1/500		
BM (30°-60°)	555.1	12.2	B1/1000		
BH (60°-80°)	286.1	6.3	B1/500		G1/500
BVH (80°-90°)	23.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	615.7	613.3	609.8	598.0	590.7	582.3	573.6	563.5	552.1	544.1	536.1
5°	667.8	664.0	655.7	627.5	608.0	586.8	569.1	548.9	529.1	515.6	502.0
7.5°	717.9	713.0	700.2	657.1	625.4	594.8	568.1	538.9	509.3	489.1	473.1
10°	768.0	757.9	741.5	685.2	643.5	608.0	577.4	541.6	502.4	474.9	457.9
12.5°	806.2	796.8	779.1	710.9	661.6	617.1	582.7	549.6	516.3	487.1	469.7
15°	842.0	829.8	809.7	734.9	676.5	616.7	572.2	543.4	538.5	531.2	508.6
17.5°	867.7	856.6	835.7	754.4	684.9	606.0	543.4	526.3	548.2	570.5	548.9
20°	890.3	877.5	856.3	768.0	686.6	582.0	508.3	508.6	543.0	573.6	568.4
22.5°	909.4	895.2	876.4	783.3	685.9	548.6	477.7	498.5	532.9	556.9	557.6
25°	933.1	921.3	905.6	805.8	685.9	514.5	455.4	486.4	515.9	536.1	535.4
27.5°	961.9	953.9	941.1	840.3	692.2	486.0	442.9	470.7	494.0	511.4	511.0
30°	994.3	987.0	977.2	876.8	702.9	464.8	436.0	451.2	468.3	482.2	482.2
32.5°	1027.3	1024.5	1014.1	906.0	694.6	458.2	430.0	431.8	440.8	452.3	451.2
35°	1073.2	1070.4	1057.2	928.6	658.4	448.8	420.7	412.0	413.0	420.3	422.7
37.5°	1140.3	1136.1	1116.6	955.0	603.9	425.2	405.4	391.1	388.0	391.1	395.6
40°	1221.3	1215.0	1188.6	990.8	540.9	393.2	381.4	369.6	364.3	365.4	370.6
42.5°	1322.8	1309.6	1271.7	1028.7	478.7	365.0	354.6	347.3	341.4	340.7	350.8
45°	1487.6	1451.4	1391.3	1062.4	426.2	350.1	330.6	325.4	320.5	323.3	335.1
47.5°	1775.4	1708.7	1591.5	1091.3	394.2	350.4	311.5	305.9	305.6	311.1	324.4
50°	2171.1	2074.8	1894.0	1110.7	377.5	354.6	300.0	291.0	297.6	303.1	315.7
52.5°	2550.0	2402.9	2187.8	1110.4	370.2	355.3	303.1	277.1	297.6	299.0	310.8
55°	2873.7	2607.4	2267.0	996.4	359.8	352.5	315.3	266.3	293.8	299.0	308.4
57.5°	3130.9	2737.4	2261.1	804.8	391.5	337.2	322.6	263.9	282.6	299.7	310.5
60°	3102.4	2677.9	2115.4	494.0	388.3	310.1	321.6	268.4	263.9	290.3	308.0
62.5°	2912.9	2464.8	1864.8	342.8	364.7	294.5	304.5	276.4	246.5	276.7	296.2
65°	2647.7	2189.8	1554.0	262.8	302.1	295.2	275.7	270.8	231.2	255.2	276.0
67.5°	2296.9	1848.8	1226.9	208.2	210.7	255.5	250.3	240.6	216.9	236.1	254.8
70°	1726.8	1349.2	844.1	167.6	159.6	213.5	224.9	216.2	203.0	208.6	228.4
72.5°	1216.8	880.9	462.4	132.8	123.1	164.1	195.4	194.0	179.4	183.6	203.0
75°	904.2	623.3	288.9	105.0	100.1	117.5	163.7	167.9	155.7	160.6	175.6
77.5°	601.8	403.6	160.6	77.9	77.9	85.9	122.0	141.5	132.5	136.3	146.7
80°	332.0	205.5	80.3	51.1	52.5	59.1	89.0	101.9	102.2	111.6	114.4
82.5°	105.0	65.4	35.8	29.9	28.2	33.7	57.4	73.0	68.1	86.9	80.0
85°	24.0	15.3	6.6	6.6	7.3	11.1	21.9	38.9	49.7	59.8	43.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	15.3	22.6	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	531.2	524.3	522.2	516.3	515.6	510.0	507.9	507.9	510.3	510.3	512.8
5°	496.4	487.8	482.9	475.9	474.2	470.0	467.2	467.6	470.7	472.8	477.0
7.5°	465.8	459.9	456.5	453.3	452.6	451.9	448.8	448.5	449.5	452.6	455.8
10°	453.0	448.8	449.9	452.3	456.1	458.2	455.4	454.0	453.0	455.1	457.9
12.5°	465.5	461.3	463.4	467.6	472.8	474.9	473.8	473.5	474.5	482.5	488.4
15°	493.0	485.0	482.2	483.9	488.1	490.2	489.1	490.5	497.1	518.0	532.9
17.5°	527.0	507.6	496.4	493.3	495.1	496.8	496.8	500.3	511.7	542.3	561.1
20°	545.5	520.1	501.3	493.7	494.4	496.1	496.1	501.0	513.8	546.5	558.7
22.5°	540.6	517.3	494.4	486.0	486.4	487.8	487.8	491.9	503.4	532.3	537.8
25°	521.5	501.0	478.4	471.1	471.8	474.2	473.5	475.9	484.6	508.3	511.4
27.5°	498.5	480.5	458.2	452.6	455.8	460.6	456.5	456.8	464.8	484.6	485.0
30°	473.8	458.9	439.1	434.9	440.8	443.3	439.4	439.4	447.4	461.0	460.6
32.5°	447.1	437.7	423.4	418.9	425.5	429.3	424.5	425.2	431.4	440.5	437.0
35°	422.0	417.2	410.6	407.4	411.6	415.1	412.0	413.4	419.3	421.7	416.8
37.5°	398.1	397.4	398.1	398.1	399.1	400.1	398.1	401.5	406.7	403.6	398.1
40°	377.2	380.0	386.6	384.8	383.8	384.8	383.5	389.4	394.6	389.0	382.4
42.5°	359.8	365.0	375.1	375.1	373.0	373.7	373.0	380.3	384.2	376.5	369.2
45°	344.9	352.5	365.4	367.1	363.6	363.6	365.0	374.1	375.5	365.0	357.4
47.5°	334.4	343.8	358.4	361.6	356.3	356.0	359.8	369.6	369.6	357.4	348.7
50°	327.1	337.6	354.9	359.1	353.9	352.5	358.8	368.2	366.1	351.5	342.8
52.5°	322.3	333.0	354.6	360.5	357.0	355.6	361.9	368.5	363.3	347.6	338.6
55°	319.1	331.0	355.6	360.5	356.7	354.3	360.5	366.4	363.6	345.6	336.9
57.5°	320.9	332.7	354.3	356.7	352.2	348.0	355.3	363.6	362.6	346.3	337.6
60°	318.1	328.9	346.6	347.3	339.7	333.0	343.8	356.3	356.3	343.8	336.2
62.5°	305.2	316.0	331.7	332.4	323.7	316.4	328.9	343.8	343.5	333.4	325.4
65°	284.0	294.1	311.8	313.6	304.9	297.2	310.1	324.0	325.1	316.0	309.1
67.5°	260.7	269.8	283.0	289.9	282.6	274.6	286.5	299.7	299.3	288.5	281.2
70°	232.9	241.3	253.4	259.3	254.8	247.2	258.0	264.9	261.8	256.6	251.7
72.5°	205.5	213.5	224.9	224.9	220.1	212.8	215.9	228.4	232.2	228.4	225.3
75°	176.6	183.6	191.6	193.3	182.5	169.3	183.9	194.7	199.2	197.5	193.6
77.5°	147.1	152.3	164.1	161.0	140.8	133.8	145.7	161.7	164.8	163.7	158.5
80°	113.3	116.5	129.0	122.7	107.1	102.6	107.8	120.3	121.0	117.5	110.9
82.5°	76.1	80.3	88.7	76.5	76.1	72.0	67.8	69.2	75.4	74.7	70.2
85°	38.9	41.0	49.0	45.9	39.3	34.1	32.3	34.4	30.9	28.2	24.3
87.5°	16.3	17.7	24.3	13.6	4.2	0.0	0.0	2.1	3.1	4.5	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	518.3	522.2	531.6	543.4	554.8	566.7	579.5	587.5	597.3	609.8	610.1
5°	482.2	490.9	504.4	522.5	541.3	562.8	587.9	608.7	633.8	653.6	661.6
7.5°	459.9	472.5	489.5	512.4	537.1	563.9	596.6	631.7	672.7	699.1	714.8
10°	462.0	481.1	498.2	517.6	539.9	568.8	610.8	657.4	707.8	742.6	762.0
12.5°	499.2	519.4	516.3	515.2	530.2	565.3	622.3	683.5	745.0	779.8	803.1
15°	546.2	553.8	524.3	502.0	511.0	552.8	628.5	706.8	776.0	818.4	841.3
17.5°	570.1	554.8	519.0	485.7	483.2	533.6	631.7	730.4	810.7	853.1	877.5
20°	559.0	536.8	506.5	474.9	457.5	507.6	629.9	749.2	842.4	889.6	909.4
22.5°	535.0	515.6	491.9	461.7	436.6	479.1	625.4	768.0	870.5	918.1	935.5
25°	509.0	494.4	474.9	448.5	424.8	454.0	622.3	793.0	902.8	948.4	959.5
27.5°	482.9	472.1	456.1	435.6	422.0	436.6	623.3	825.7	944.6	987.7	983.2
30°	457.2	447.8	436.6	427.6	421.7	432.5	620.6	860.4	990.5	1030.4	1003.7
32.5°	432.8	424.1	417.2	418.6	422.0	434.2	606.3	892.1	1032.5	1066.6	1025.9
35°	412.0	402.9	402.9	407.8	420.7	428.3	569.4	916.7	1079.1	1113.2	1057.5
37.5°	392.5	384.5	389.7	397.7	409.9	412.3	522.2	940.7	1146.9	1178.9	1106.6
40°	375.5	367.5	376.9	386.9	393.2	392.1	474.2	974.1	1226.9	1259.9	1171.6
42.5°	361.9	354.6	362.9	375.8	376.9	377.9	439.1	1006.1	1319.7	1361.7	1283.5
45°	350.8	345.6	349.7	362.6	362.6	378.6	417.2	1032.9	1459.4	1533.8	1489.0
47.5°	342.1	339.0	341.0	345.2	352.2	391.1	403.3	1053.4	1713.9	1859.9	1814.7
50°	337.2	334.1	336.9	328.2	349.0	397.4	398.8	1069.0	2049.4	2278.1	2222.2
52.5°	333.0	332.0	333.7	313.6	356.0	393.2	395.3	1048.2	2274.3	2689.8	2745.0
55°	331.7	332.4	324.0	302.8	364.3	379.3	384.8	899.0	2335.5	3044.7	3387.8
57.5°	332.4	330.3	309.1	303.8	364.7	351.5	399.8	641.4	2246.5	3199.1	4016.7
60°	329.9	319.5	291.0	313.2	348.7	318.8	389.0	418.2	2011.8	3080.5	4053.2
62.5°	319.1	303.8	275.3	318.4	320.2	299.3	353.2	322.3	1699.0	2826.7	3701.4
65°	303.5	283.0	262.1	307.7	291.3	290.3	265.6	258.3	1366.3	2524.6	3367.7
67.5°	277.8	257.3	252.4	283.0	262.1	257.3	213.5	214.2	1090.2	2202.7	3032.2
70°	248.6	228.1	231.9	255.9	233.3	213.8	172.8	178.3	827.1	1835.2	2579.9
72.5°	229.4	202.0	202.3	225.3	205.1	173.1	142.2	147.1	524.9	1383.3	2051.1
75°	193.6	178.0	170.3	182.5	174.2	134.9	119.6	118.5	311.1	991.5	1535.9
77.5°	161.7	149.5	145.7	150.5	130.0	99.8	96.3	94.6	176.3	635.2	1006.4
80°	117.2	114.0	113.7	116.1	100.1	73.4	73.4	73.7	94.9	344.9	567.4
82.5°	74.4	81.3	72.0	80.0	68.1	52.1	48.7	55.3	54.6	147.1	239.2
85°	30.9	42.4	39.6	42.1	32.3	28.5	30.6	33.0	31.6	56.7	93.2
87.5°	5.9	7.0	7.6	7.3	7.3	9.0	10.1	12.2	12.2	16.3	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7	566.7
2.5°	623.3	633.4	631.3	635.8	629.9	632.0	620.2	617.1	615.0	615.7
5°	687.3	707.8	711.6	719.3	714.1	714.1	693.2	677.6	672.0	667.8
7.5°	752.3	781.9	801.3	803.4	800.6	795.1	764.8	736.7	726.6	717.9
10°	810.0	845.5	867.4	877.8	872.6	863.9	826.4	787.8	775.6	768.0
12.5°	854.2	885.5	900.1	907.0	906.3	903.2	872.6	830.9	818.0	806.2
15°	882.7	898.3	892.8	892.4	897.3	909.8	900.4	867.7	852.8	842.0
17.5°	901.1	886.2	861.5	850.0	860.4	890.0	911.5	893.1	879.6	867.7
20°	907.7	854.5	818.7	797.5	809.7	852.4	905.6	911.5	900.1	890.3
22.5°	900.1	815.9	767.3	742.2	754.1	805.2	888.2	926.5	918.8	909.4
25°	881.3	775.6	717.2	694.6	707.5	759.6	857.3	940.4	940.7	933.1
27.5°	858.0	738.4	682.1	660.9	673.4	722.1	827.1	952.6	964.7	961.9
30°	834.4	716.2	665.4	650.5	659.8	702.9	796.1	965.1	989.4	994.3
32.5°	823.6	726.9	704.7	711.3	699.1	714.1	785.0	982.8	1019.3	1027.3
35°	837.8	822.5	878.9	904.9	861.8	805.2	799.2	1009.6	1061.4	1073.2
37.5°	907.0	1027.3	1111.4	1203.2	1128.5	1003.7	869.8	1055.1	1121.5	1140.3
40°	1057.5	1206.0	1357.9	1476.5	1363.5	1195.6	1004.0	1122.9	1204.3	1221.3
42.5°	1199.4	1373.6	1582.8	1736.2	1589.4	1352.4	1148.6	1236.9	1313.4	1322.8
45°	1338.4	1538.0	1855.1	2068.2	1869.0	1501.5	1296.4	1429.5	1487.2	1487.6
47.5°	1501.5	1723.3	2196.4	2499.9	2239.9	1666.6	1435.1	1734.4	1814.7	1775.4
50°	1696.5	1907.5	2547.9	3002.3	2692.2	1869.7	1611.4	2106.1	2215.6	2171.1
52.5°	1957.6	2110.6	2935.2	3492.1	3185.2	2100.8	1866.9	2596.9	2633.1	2550.0
55°	2325.1	2403.6	3432.3	4097.0	3735.5	2385.6	2240.6	3213.0	3111.8	2873.7
57.5°	3161.9	2867.4	4070.6	4787.1	4358.1	2902.9	3059.7	3892.3	3532.5	3130.9
60°	3862.0	3430.6	4661.3	5472.0	4891.8	3473.0	3828.7	4010.5	3516.8	3102.4
62.5°	3626.0	3574.2	4874.4	5547.4	5073.9	3753.6	3685.8	3712.5	3287.4	2912.9
65°	3181.3	3297.1	4684.2	5189.7	4871.9	3502.2	3334.0	3437.2	3024.9	2647.7
67.5°	2918.9	3004.0	4346.0	4617.1	4504.8	3230.4	3060.4	2985.6	2617.4	2296.9
70°	2650.5	2721.0	3871.1	3898.5	3932.3	2778.4	2502.4	2279.9	1951.0	1726.8
72.5°	2290.3	2294.1	3270.7	3111.5	3175.4	2174.2	2014.3	1704.5	1420.1	1216.8
75°	1921.5	1816.5	2588.9	2174.9	2303.2	1691.3	1672.5	1284.6	1071.1	904.2
77.5°	1465.0	1342.3	1891.2	1430.2	1617.6	1126.4	1257.4	871.2	753.7	601.8
80°	983.5	907.0	1045.0	807.2	1058.2	776.3	820.1	493.7	428.0	332.0
82.5°	518.7	442.9	645.9	478.7	638.3	426.6	307.7	152.6	130.0	105.0
85°	200.9	232.6	316.7	170.3	247.5	152.3	89.0	37.9	31.6	24.0
87.5°	38.9	60.1	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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